

**California Department of Transportation
Storm Water Management Program
Regional Work Plan
San Francisco Region 2**

**Fiscal Year
2006-2007**

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**California Department of Transportation
Division of Environmental Analysis
Storm Water Management Program
111 Grand Avenue, Oakland, California 94623
<http://www.dot.ca.gov/hq/env/stormwater>**

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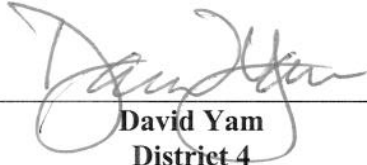
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**California Department of Transportation
District 4 Certification**

Regional Work Plan 2006-2007

**California Regional Water Quality Control Board
San Francisco Region 2**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is true, accurate, and complete to the best of my knowledge and belief. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment of knowing violations. [40 CFR 122.22(d)]



**David Yam
District 4**

3-16-06

Date

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1.0 INTRODUCTION

General Information about this Regional Work Plan (RWP)

The Regional Work Plan (RWP) provides region-specific information for District 4, Region 2's water bodies, Best Management Practices (BMPs), and monitoring programs. The purpose of the RWP is to describe how the California Department of Transportation (Department) will specifically implement the Statewide Storm Water Management Program (SWMP) within the jurisdiction of each Regional Water Quality Control Board (RWQCB) during Fiscal Year 2006-2007 as required by the *Department Statewide Storm Water NPDES Permit – Order No. 99-06-DWQ* (Permit). Implementation activities will be conducted in accordance with the procedures presented in the SWMP. The RWP indicates how District storm water management practices will be modified to improve water quality protection based on evaluation of the previous studies and management activities.

Goals and Commitments

District 4 will continue to train its Design, Construction, Permits, and Maintenance staff on storm water issues by conducting tailgate meetings and formal classes on specific storm water management strategies and activities. New training for engineering staff will include the principles of designing treatment BMPs. The District continues to implement its storm water program for all Divisions. The District NPDES Storm Water Coordinator evaluates projects on a regular basis to ensure that measures required by the SWMP are effectively implemented. Adjustments will be developed and implemented as the evaluation results identify.

Major Changes

As necessary, the District will evaluate what changes should be made to the District's Departments to improve implementation of the SWMP. Major upcoming changes will include compliance with the requirements of the new Department NPDES permit and revised SWMP, which is currently under negotiation with the State Water Resources Control Board.

Documentation

As necessary, the District will evaluate what changes should be made to the District's documents to improve communication and reporting accuracy. Internal storm water documentation may be updated to reflect the changes.

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2.0 DEPARTMENT PERSONNEL AND RESPONSIBILITIES

District Storm Water Program Manager

The District Storm Water Program Manager (Manager) is the Office Chief of the Office of Water Quality and Mitigation. He supervises the Storm Water Coordination Branch, the Water Pollution Control Branch, and the Erosion Control Branch. The Manager is in charge of all storm water activities in the District. The Manager is accountable for establishing an effective water quality/storm water program and maintaining a liaison with Headquarters and District Program Managers (Division Chiefs) for the purpose of effective communication, collaboration, and coordination of storm water activities. The Program Manager provides support, direction, and guidance to the District Storm Water Coordinator (DSWC).

The responsibilities of the District Storm Water Program Manager are as follows:

- Direct District operations regarding water quality and storm water.
- Align District efforts to achieve compliance with the NPDES permit.
- Be the ultimate signatory authority in the District for all compliance documents and commitments regarding storm water management.
- Work as the primary liaison, on water quality and waste discharge issues between the District and Headquarters, the State Water Resources Control Board, the Regional Water Quality Control Boards, U.S. Environmental Protection Agency, and other agencies.
- Arbitrate disputes and disagreements on policies, activities, assignments, and responsibilities regarding storm water issues.

District Storm Water Coordinator

Under the general direction of the District Storm Water Program Manager, the District Storm Water Coordinator (DSWC) is responsible for developing District storm water quality policies and guidance, and daily management of the District's storm water quality program. The DSWC is responsible for identifying issues and developing recommendations related to storm water quality, regulated wastes, and other environmental issues that affect the District. The DSWC supervises staff, which supports and executes activities of the DSWC and the Storm Water Program. The specific storm water tasks for which the DSWC is responsible include the following:

- Provide guidance and direction for the preparation, development, and implementation of a comprehensive District Storm Water Program, as described in the RWP.
- Oversight of activities related to notification procedures for reuse of soil containing lead in accordance with variances issued by the Department of Toxic Substances Control (DTSC).
- Provides guidance on writing Storm Water Data Reports (SWDRs). Reviews and approves SWDRs.

- Ensure accuracy and adequacy of the storm water workload allocations for each fiscal year.
- Coordinate and track resource distributions, workloads, and projects within the District.
- Assist the District functional units in prioritizing, monitoring, tracking, and evaluating storm water resources, activities, and operations.
- Implement a quality assurance and quality control program for monitoring the activities of the District functional units, in order to ensure that the conditions of the Permit, SWMP, and RWP are implemented properly.
- Provide guidance and direction necessary to develop strategies for addressing regulations and mandates on storm water and waste discharges set forth by federal, state, and local regulatory agencies.
- Represent the District at the Storm Water Advisory Teams (SWATs) identified in the SWMP.
- Monitor and evaluate the storm water activities and procedures of municipalities, developers, and other agencies. Emphasis is appointed to those agencies in the Bay Area that encroach upon or administer projects within the Department's right-of-way.
- Establishes impartial and equitable decisions that benefit the Department in attaining the objectives of the Storm Water Program.
- Work as leader and chairperson of the District Storm Water Management Committee (SWMC).
- Determination and evaluation of storm water impacts during California Environmental Quality Act and/or National Environmental Policy Act (CEQA/NEPA) screening.
- Evaluation and recommendation of permanent control and treatment measures for addressing project storm water impacts.
- Preparation or aid in the preparation of the contract PS&E for inclusion of permanent control measures to improve or minimize water quality impacts.
- Assist in development of training programs.

Water Pollution Control Coordinator

The Water Pollution Control Coordinator (WPCC) is the Branch Chief of the Water Pollution Control Branch. The WPCC is responsible for working closely with the Erosion Control Coordinator (ECC) and the DSWC to incorporate water pollution recommendations into the planning, design, and construction of all projects in District 4. The specific storm water tasks for which the WPCC Coordinator is responsible include the following:

- Determination and evaluation of storm water impacts during California Environmental Quality Act and/or National Environmental Policy Act (CEQA/NEPA) screening.
- Identification of costs related to water pollution control, non-storm water discharges, and waste management on programming documents.
- Development of new specifications, details, and guidance materials related to non-storm water discharges and waste management.
- Preparation of contract specifications and estimates to address development of Storm Water Pollution Prevention Plans (SWPPPs).
- Preparation of contract plans, specifications, and estimates (PS&E) to address temporary controls for non-storm water discharges and waste management activities.
- Preparation of the report for Notification of Construction.
- Propose, develop, and manage storm water monitoring programs, in coordination with the Headquarters Environmental Program.
- Assistance to the District Permits Branch in evaluating water quality impacts and requirements of encroachment permit applications.

The WPCC, as a member of the SWMC, is also responsible for compiling and providing to the District Storm Water Coordinator, all Water Pollution Control related input required for the annual report, preparation of RWP and other permit related documents and reports.

Maintenance Coordinator

The Maintenance Coordinator is responsible for communicating with the DDC of Maintenance and the Maintenance Operation Team (MOT) regarding the proper implementation of maintenance related sections of the SWMP and RWP. The Maintenance Coordinator reports all storm water related maintenance activities to the SWMC and coordinates storm water training for maintenance staff as well as overseeing inspection of maintenance facilities and operations relative to Permit compliance. The Maintenance Coordinator is chairperson of the MOT that meets routinely to discuss water quality issues, update the Maintenance portion of the RWP, and compile information for the Annual Reports, as well as the SWMP. The Maintenance Coordinator serves as the conduit for information between the SWMC and maintenance offices, as well as the Headquarters Maintenance Program (esp. Maintenance SWAT identified in the SWMP).

Construction Coordinator

Under the general direction of the Division of Construction, the Construction Storm Water Coordinator (CSWC) is responsible for developing storm water quality policies and guidance, and daily management of Construction's storm water quality program. The CSWC is responsible for the proper implementation of the SWMP and the RWP within Construction. The CSWC supervises staff, which implements the program requirements in the field during the construction phase. The specific tasks for which the CSWC will be responsible include:

- Work as the primary point of contact for storm water issues during the construction phase.
- Develop and administer storm water training for Construction staff.
- Review Storm Water Pollution Prevention Plans (SWPPP).
- Track critical compliance milestones that occur prior to and during the course of construction.
- Conduct final project closeout inspections.
- Submit the Notice of Completions for SWPPP projects
- Submit approved SWPPPs to the RWQCBs as requested.
- Submit reports to the RWQCBs as requested.
- Provide oversight inspections for SWPPP projects.
- Prepare and submit Threat of Discharge reports.
- Prepare and submit Illicit Connection/ Discharge Reports for Construction
- Represent Construction in the District's SWMC Meetings.
- Provide input to the Annual Report.
- Participate on the Construction SWAT defined in the SWMP

The CSWC ensures that all enforcement actions or corrections requested by the Regional Boards are promptly implemented, and documented. The CSWC serves as the primary conduit for information during the construction phase for the RWQCBs, Headquarters Construction, and construction field staff. The CSWC supports the design related functional units in determining specific project needs and evaluation of water pollution control measures in the field.

Erosion Control Coordinator

The Erosion Control and Mitigation Branch facilitates the incorporation of water pollution and erosion control recommendations into the planning, design, and construction of all projects in District 4. The Erosion Control and Mitigation Branch Chief is the Erosion Control Storm Water Coordinator (ECC). The ECC is responsible for working closely with WPCC and the DSWC to incorporate erosion control recommendations into the planning, design, and construction of all projects in District 4. The ECC also provides field support to Construction, Maintenance, and Permits when requested.

- The specific storm water tasks for which the EC Coordinator is responsible include the following:
- Determination and evaluation of storm water impacts during CEQA/NEPA screening.
- Evaluation and recommendation of the vegetation for the permanent control and treatment control measures for addressing project storm water impacts.

- Identification of costs related to water pollution and erosion control on programming documents.
- Develops new specifications, details, and guidance materials related to erosion and sediment control.
- Preparation of contract PS&E to address erosion and sediment controls for projects.
- Provides guidance on writing Storm Water Data Reports (SWDRs). Reviews and signs SWDRs.
- Preparation or aid in the preparation of the contract PS&E for inclusion of permanent control and treatment control measures to improve or minimize water quality impacts on projects.
- Ensure that reuse locations of soil containing lead in accordance with variances issued by DTSC are not subject to erosion and stabilized as part of project design.
- Assist the District Permits Branch in evaluating erosion control requirements of encroachment permit applications.
- Conduct studies to improve water quality objectives on highway planting projects.
- Assist in development of training programs, especially that attributed to EC staff.
- Participate in the Design SWAT identified in the SWMP.

The EC Coordinator acts as the liaison with the Headquarters Office of Landscape Architecture to develop, submit, review, and gain approval for all specifications and details related to erosion and sediment control. Furthermore, the EC Coordinator is the contact for Headquarters' Design Program in the approval or concurrence with specifications related to water pollution control related to erosion and sediment control.

Right-of-Way Coordinator

The Right of Way Coordinator for the SWMC is currently a District Branch Chief of Property Management. This Coordinator is responsible to:

- Attend all SWMC meetings to report on Right of Way activities.
- Ensure that storm water training is available to Right of Way Agents tasked with property inspection responsibilities.
- Ensure that regular property inspections include storm water inspections.
- Maintain documentation of the inspection findings and corrective actions.
- Prepare a summary of completed storm water property inspections for use in Annual Reports.
- Disseminate information and answer questions regarding Department storm water policy to all Right of Way staff involved in storm water inspections.
- Notify the SWMC and/or the DSWC of discharges or situations that appear to be in gross violation of Department' Permit, SWMP, or RWP.

- Report instances where Right of Way may conduct construction activities that require the development of a SWPPP and related notification.

Engineering Services (Hydraulics) Representative

The Hydraulics Representative (HR) is a member of the SWMC responsible for providing information on permanent control measures, except those related to erosion control, that are being planned, designed, and implemented in projects. The HR is responsible for providing input and review of Annual Reports and RWPs. The HR ensures that the management and staff of the Hydraulics Branch are knowledgeable of the RWP and various water pollution control efforts and commitments for minimizing or preventing pollutants from being present in discharges. The HR ensures that the design processes utilized by the Hydraulics Branch are consistent with the RWP and the SWMP, especially those processes related to the evaluation, selection, and design of permanent control and treatment control measures.

Public Affairs Coordinator

The Public Affairs Coordinator is a member of the SWMC responsible for maintaining an effective public information program as specified in this RWP and any elements of the SWMP that are attributed to the District. The Public Affairs Coordinator is directly responsible for the following:

- Ensure publication of storm water articles within District publications (i.e. newsletters).
- Distribution of the District Storm Water Pamphlet
- Development and distribution of Public Service Announcements regarding storm water.

Ensuring that storm water information is available at miscellaneous events, such as County fairs and fleet week, for which Department might be a participant.

Permits Coordinator

The Permits Coordinator is a member of the SWMC responsible for ensuring that the District Office of Permits is in compliance with the Permit, SWMP, and RWP. The Office of Permits is responsible for issuing permits to local agencies, utility companies, and others (i.e. film production companies, marathon sponsors, etc.) that desire to encroach into the Department's right-of-way for conducting construction, maintenance, or other activities consistent with their organization. The Permits Coordinator ensures that all permits issued to those encroaching into the Department's right of way are in compliance the Permit, in a manner that is consistent with that required of Maintenance, Construction, and Design.

In compliance with Permit Section M.10.b, the following individuals/positions listed in Table 2-2 are authorized to sign the documents, reports, and other information submitted by the District to either the SWRCB or the RWQCB(s). These individuals/positions may delegate authorization to their staff to sign various documents and reports required for implementation of the Storm Water Program.

Portions of Caltrans District 4 fall within the jurisdiction of the San Francisco Regional Water Quality Control Board (SF-RWQCB). An organizational chart for the San Francisco Region's Storm Water responsibilities is shown in Figure 2–1. Staff members responsible for implementing the SWMP within the SF-RWQCB jurisdiction are listed in Table 2–1. Delegation of signatory authority for key Permit/SWMP required documents is included in Table 2–2.

Table 2–1: District 4 Department Storm Water Personnel

Staff Name	Title	Phone No.	E-mail
David Yam	Storm Water Program Manager	510-286-5662	David_Yam@dot.ca.gov
Analette Ochoa *	District Storm Water Coordinator	510-286-6269	Analette_Ochoa@dot.ca.gov
Hardeep S. Takhar	Water Pollution Control Coordinator	510-286-7182	Hardeep_Takhar@dot.ca.gov
Robert Sorenson	District Maintenance Storm Water Coordinator	510-286-5215	Robert_Sorenson@dot.ca.gov
Dragomir Bogdanic	District Storm Water Construction Coordinator	510-622-0716	Dragomir_Bogdanic@dot.ca.gov
Kathleen Jenkins (acting)	Erosion Control Coordinator	510-622-1678	Kathleen_Jenkins@dot.ca.gov
Shirley Parker	Right-of-Way Coordinator	510-286-5322	Shirley_Parker@dot.ca.gov
Sharon Patch	Hydraulics Representative	510-286-4862	Sharon_Patch@dot.ca.gov
Lauren Wonder	Public Affairs Coordinator	510-286-6120	Lauren_Wonder@dot.ca.gov
Thomas Franklin	Permits Coordinator	510-286-4424	Thomas_Franklin@dot.ca.gov

Table 2–2: District 4 Signatory Authority for Key Documents

Positions or Individuals	Documents Authorized for Signature
Storm Water Program Manager	All District Documents
Storm Water Coordinator	All District Documents except Regional Work Plan
Construction Coordinator	SWPPP, Notice of Completion of Construction (NCC), Notice and Report of Non-Compliance, Discharge or Threat of Discharge Notification
Maintenance Coordinators, Managers, Office Chief, and HazMat Manager (See Section 4.1 of RWP)	Notice and Report of Non-Compliance, Discharge or Threat of Discharge Notification, Report of Illicit Connection/Discharge, and Facility Pollution Prevention Plans
Permit Coordinator	Report of Illicit Connection/Discharge
Water Pollution Control Coordinator/ Environmental Engineering Office Chief	Notice of Soil Reuse with Aerially Deposited Lead (ADL) Notification of Construction, Notice of Construction Completion
Resident Engineers	SWPPPs, Notice and Report of Non-Compliance, and Discharge or Threat of Discharge Notification
Right-of-Way Coordinator	SWPPPs, Notice of Completion, Notice and Report of Non-Compliance, and Discharge or Threat of Discharge Notification
Facility Supervisor	Facility Pollution Prevention Plans

* Analette Ochoa is the designated primary contact.

3.0 DISTRICT FACILITIES AND WATER BODIES

This section identifies Department facilities and water bodies within each District and Regional Board jurisdiction. A list of Department facilities, excluding roadways, is presented in Table 3–1. Maps showing the District boundaries, major roads and highways within the San Francisco RWQCB jurisdiction are presented in the accompanying Figure 3–1.

Table 3–1: District 4 Facilities

CO	Route	PM	Name	Comments
Maintenance Stations				
ALA	24	3.1	Telegraph	Landscape Maintenance, 3605 Telegraph Ave. 94609-2426
ALA	24	5.7	Caldecott Tunnel	Special Crews, West Portal and Caldecott, Oakland
ALA	80	2.0	Toll Bridge Region	Special Crews, SFOBB Toll Plaza, Oakland
ALA	80	2.0	East Bay Paint	Special Crews
ALA	84		Dumbarton	Highway Maintenance, 9825 Thornton Ave, Fremont
ALA	84	10.2	Fremont	Highway Maintenance, 245 Mowry Rd. Fremont, 94536 (Maintenance)
ALA	92		San Mateo	Highway Maintenance, 5500 West Jackson, Hayward
ALA	260		Webster Tube	Special Crews, 415 Harrison St. Oakland 94607-4118
ALA	260	2.0	Posey Tube	Special Crews, 415 Harrison St. Oakland 94607-4118
ALA	580	13.1	Livermore	Highway Maintenance, 2153 South Front Rd. Livermore 94550
ALA	580	28.9	Hayward	Highway Maintenance, 21145 Center St., Castro Valley
ALA	580	35.7	106 th Street	Special Crews, 106 th Ave, Oakland
ALA	580	38.9	Seminary	Landscape Maintenance, 6220 Seminary, Oakland, 94605-1852
ALA	580	41.6	14 th Avenue (closed)	Special Crews
ALA	580	44.5	Kempton (closed)	Special Crews
ALA	880		San Leandro	Special Crews, 600 Lewelling Blvd., San Leandro
ALA	880		Shop 4	Special Crews, 1933 Marina Blvd., San Leandro
ALA	880	20.0	East Bay Region	Highway Maintenance, 245 Mowry Rd. Fremont, 94536 (Maintenance)
ALA	880	28.7	Oakland	Special Crews, Elec./Signs Central/Buttons
ALA	880	28.7	Oakland	Special Crews, 1112-29 th Ave. Oakland 94601
ALA	980	1.25	Oakland	District 4 Office

CO	Route	PM	Name	Comments
CC	4	1.0	Hercules	Landscape Maintenance, 1369 Willow Road, Hercules
CC	680	0.1	Scott Creek Road (closed)	Satellite
CC	680	0.2	Alcosta	Landscape Maintenance, 21300 San Ramon Valley Blvd. San Ramon 94583
CC	680	6.7	Sycamore Valley Road	Landscape Maintenance, Danville
CC	680	15.6	Walnut Creek-West	Landscape Maintenance, 2581 North Main St. Walnut Creek 94596
CC	680	15.6	Walnut Creek-East	Highway Maintenance, 2616 North Main Street, Walnut Creek 94596-2713
MRN	1	0.1	Manzanita	Highway Maintenance, 40 Shoreline Hwy, Mill Valley
MRN	1	28.2	Point Reyes	Highway Maintenance, 10795 Hwy 1, Point Reyes
MRN	17	0.2	San Rafael Paint	Special Crews
MRN	101	3.0	North Bay Region	Highway Maintenance
MRN	580		San Rafael Paint	Special Crews, West End of Bridge, at San Quentin, San Rafael
MRN	580	6.1	Richmond & San Rafael Br.	Special Crews, Maintenance Toll Plaza
NAP	29	12.0	Napa	Highway Maintenance, 3161 Jefferson ST., Napa
NAP	29	37.4	Calistoga	Highway Maintenance, 1413 Tubbs Lane, Calistoga
NAP	29	43.6	Mount Saint Helena	Salt and Sand Storage
SCL	17	7.1	Los Gatos	Satellite
SCL	85	17.5	Cupertino	Highway Maintenance, 10130 Bubb Rd, Cupertino
SCL	101	49.0	Middlefield Road	Special Crews, 1770 Old Middlefield Rd., Mountain View
SCL	280	0.0	Page Mill Road, Electrical	Special Crews, 2350 Page Mill Road, Los Altos
SCL	680	7.5	Milpitas	Landscape Maintenance, 115 Dempsey Rd., Milpitas
SCL	880	4.3	San Jose	Highway Maintenance, 500 Queens Lane, San Jose
SF	80	5.4	West Bay Paint	Special Crews, 434 Main St., SF
SF	101	4.1	San Francisco	Highway Maintenance, 110 Rickard Street San Francisco 94134-1260
SF	280		San Francisco	Specialty Region, 30 Rickard St., San Francisco
SF	280	3.6	Alemany/Specialty Region	Special Crews
SM		000.0	South San Francisco	Highway Maintenance, 296 Airport Blvd. So. San Francisco 94101
SM	1	26.9	Half Moon Bay	Highway Maintenance, 2003 Cabrillo Hwy., Half Moon Bay, 94019
SM	35	10.0	Skylonda (closed)	Satellite

CO	Route	PM	Name	Comments
SM	92	2.6	San Mateo/Hayward/Dmbtn	Special Crews, 9825 Thornton Ave. Fmnt. 5500 West Jackson, Hayward 94545-3616
SM	92	13.6	West Bay Region See So. SF; HMB; Foster City	Highway Maintenance, 380 Foster City Blvd., Foster City
SM	92	14.5	San Mateo Paint	Special Crews, West end of Bridge, Pier #1, Foster City
SM	101	4.6	Redwood City	Landscape Maintenance, 2501 East Bayshore Blvd., Redwood City
SM	280	4.6	Woodside	Highway Maintenance, 5055 Farmhill Blvd., Woodside
SM	280	17.9	Millbrae	Landscape Maintenance, Sawyer Camp Trail Hillcrest, Millbrae 94030
SM	280	22.7	Westborough (closed)	Special Crews, Junipero Serra & Westborough Blvd., Daily City
SOL	37	9.8	Vallejo	Highway Maintenance, 1700 Sears Point Rd., Vallejo
SOL	80	0.70	Carquinez/Benicia/Antioch Bridge	Highway Maintenance
SOL	80	17.2	Fairfield	Landscape Maintenance, 2019 West Texas St., Fairfield 94533
SOL	680		Benicia Bridge	Special Crews, Toll Plaza, Benicia
SOL	680		Tri-Bridges	Special Crews, 100 Industrial Way, Benicia
SOL	780	2.2	Benicia	Special Crews, 1700 E. 2 nd St., Benicia 94510
SON	101		Petaluma	Special Crews, 611 Payran St., Petaluma
SON	101	3.0	South Petaluma	Special Crews, 1485 South Petaluma Blvd., Petaluma
Vista Points				
MRN	1	6.1		Vista Point
MRN	1	7.1	Muir Beach Overlook	Vista Point
MRN	101	0.1	Golden Gate Vista Point	Vista Point
NAP	29	6.6		Vista Point
SCL	35	14.1		Vista Point
SM	35	4.5		Vista Point
SM	35	14.3	Skaggs Point	Vista Point
SM	35	23.0	Jct. 35/92	Vista Point
SM	280	7.2/7.5	Edgewood & Route 92	Vista Point
SM	280	8.4	Edgewood & Route 92	Vista Point
SM	280	9.4	Edgewood & Route 92	Vista Point
Commercial Vehicle Enforcement Facilities				
ALA	580	R9.2	Livermore	EB
ALA	580	R8.9	Livermore	WB
ALA	680	R8.7	Mission Grade	NB
ALA	880	3.7	Nimitz	SB
ALA	880	4.2	Nimitz	NB

CO	Route	PM	Name	Comments
CC	680	15.9	Walnut Creek	NB
CC	680	16.0	Walnut Creek	SB
MRN	101	14.1	Terra Linda	Northbound (NB)
MRN	101	15.2	St. Vincents	Southbound (SB)
SOL	80	14.2	Cordelia	Eastbound (EB)
SOL	80	14.4	Cordelia	Westbound (WB)
Roadside Rest Areas				
MRN	101	0.3	Dana Bowers	Northbound 101
SM	280	R13.5	Crystal Springs	Near San Francisco Reservoir
SOL	80	6.7	Hunter Hill	7 mi. E of Vallejo
Park and Ride Facilities				
ALA	13	13.4	7 th St. & Folger St.	Near Jct. 80 & Ashby
ALA	84	R3.0	Dumbarton	Route 84 & Ardenwood
ALA	238	0.7	Mission SJ Park	At High School, Fremont (joint use)
ALA	580	13.2	Livermore	1624 Portola Ave in Livermore
ALA	580	29.2	Castro Valley	SE corner @ Center St. in Castro Valley
ALA	580	30.7	John Drive	John Drive in Castro Valley
ALA	580	41.4	Fruitvale	Fruitvale Avenue IC in Oakland
ALA	680	6.4	Mission Blvd.	IC of Route 238 near Mission Blvd. in Fremont
CC	4	11.1	Pacheco	NE corner Pacheco Blvd & Blum Rd
CC	24	1.2	Orinda	SW corner Gateway Blvd IC
CC	80	6.0	Hilltop	NE corner Hilltop Dr. IC in Richmond
CC	80	6.6	Richmond Parkway	SW quad of Rte 80/Richmond Pkwy
CC	80	10.7	Willow	Willow Ave IC NW & SE corners
CC	80	13.5	Crockett	NW corner San Pablo Ave in Crockett
CC	242	0.9	Willow Pass	NE corner Willow Pass Road I/C in Concord
CC	680	3.0	Bollinger	SW quad I-680/Bollinger Canyon Road, San Ramon
CC	680	12.6	Rudgear	SE corner Rudgear Road IC in Walnut Creek
MRN	37	13.8	Black Pt/Atherton	NW corner Atherton Ave IC near Black Point
MRN	101	1.5	Spencer	NW corner Spencer Ave near Sausalito
MRN	101	4.1	Manzanita	Route 1 IC in Marin City
MRN	101	5.4	Seminary	NW & SE corners Seminary Dr in Mill Valley
MRN	101	10.8	Hetherton	4th & Hetherton in San Rafael
MRN	101	12.2	Lincoln Ave.	W side Lincoln Ave IC in San Rafael
MRN	101	14.7	Lucas Valley	SE corner of Lucas Valley IC
MRN	101	16.6	Alameda Del Prado	SW corner of Alameda Del Prado in Novato
MRN	101	20.2	Rowland Blvd	Rowland Blvd in Novato
MRN	101	22.0	Novato	E side Atherton Avenue Interchange

CO	Route	PM	Name	Comments
NAP	29	10.3	Imola	NW side Route 29-Imola Ave W/GG in Napa
SCL	280	18.4	Page Mill	SE corner Page Mill Road IC near Los Altos Hills
SM	1	41.0	Pacifica	NE corner Linda Mar Blvd & Route 1
SM	1	41.2	Crespi Drive	SE corner Crespi Dr & Route 1
SM	92	7.9	Ralston	SE corner Ralston Ave IC in Belmont
SM	101	11.9	San Mateo	Route 92 (under SE overcrossing) San Mateo
SM	101	13.5	3rd Ave-San Mateo	NE corner 3rd Ave in San Mateo
SM	280	3.3	Woodside	SW corner Woodside Road Interchange
SM	280	6.7	Edgewood	NE corner Edgewood Road N of Woodside
SM	280	14.2	Hayne Road	SW corner Hayne Road IC near Redwood City
SOL	12		Suisun City	Main and Florida
SOL	80	1.8	Magazine St.	IC NW corner in Vallejo
SOL	80	2.2	Lemon St.	Lemon St. & Curtola Pkwy.
SOL	80	2.6	Benicia Rd.	NE corner Benicia Rd. IC in Vallejo
SOL	80	12.8	Green Valley Rd.	Green Valley Rd. IC NW in Cordelia
SOL	780	2.0	E. 2 nd St	NE corner, Benicia
SON	101	2.9	Petaluma	SE corner S Petaluma Blvd. in Petaluma
SON	101	3.6	Lakeville HWY (Rte. 116)	W side of 101 at Route 116, Petaluma
Toll Road and Bridge Plazas				
ALA	80	1.99	SF-OAK Bay Bridge	San Francisco- Oakland Bay Bridge
SOL	80	0.46	Carquinez	Carquinez Bridge
ALA	84	3.18	Dumbarton	Dumbarton Bridge
ALA	92	2.57	San Mateo/Hayward	San Mateo- Hayward Bridge
CC	160	0.69	Antioch	Antioch Bridge
CC	580	6.13	Richmond/San Rafael	Richmond - San Rafael Bridge
SOL	680	0.60	Benicia/Martinez	Benicia - Martinez Bridge

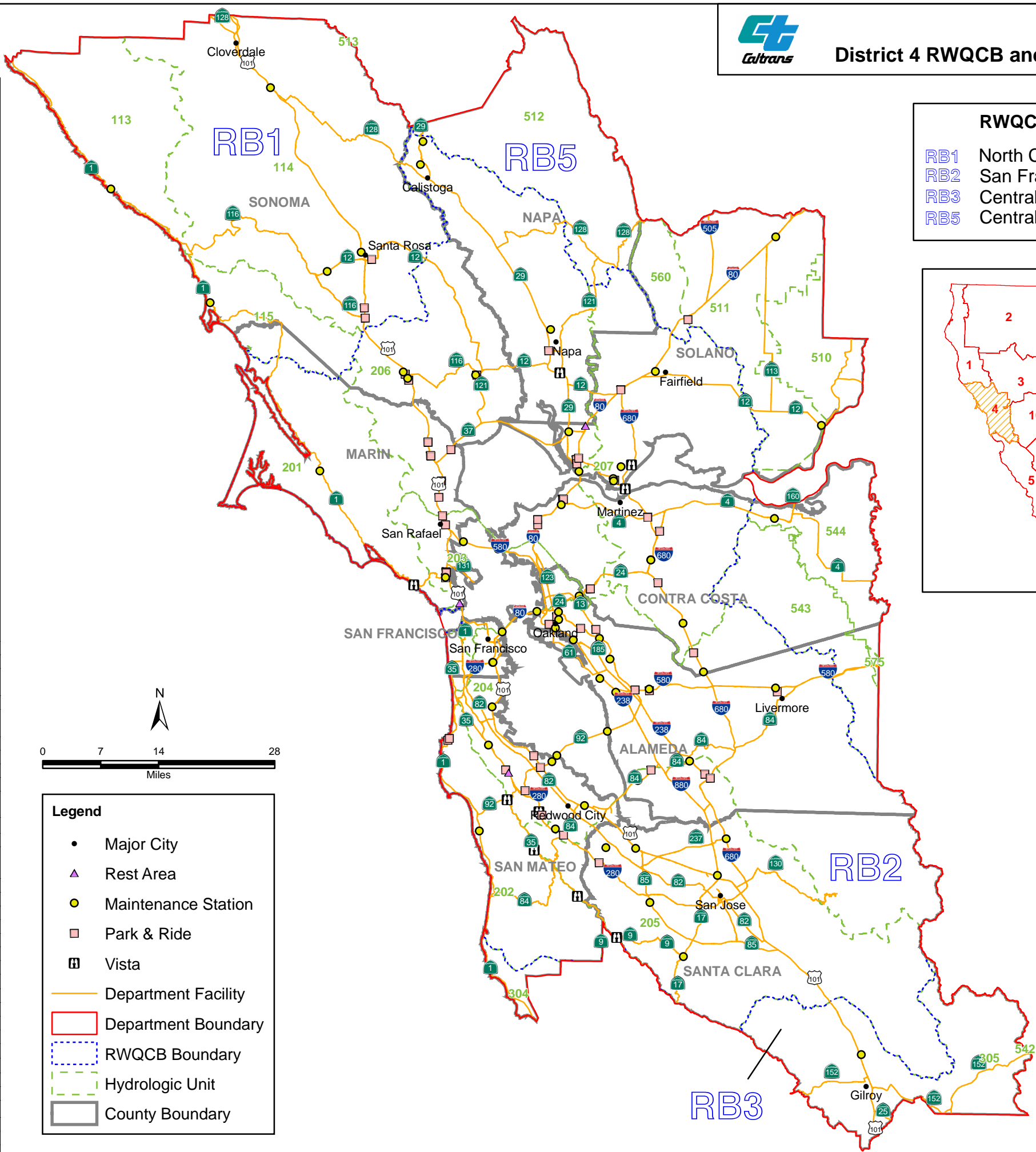
Lists and maps of the Department of Water Resource Hydrologic Units located within the coverage area are presented in Appendix A of the SWMP.

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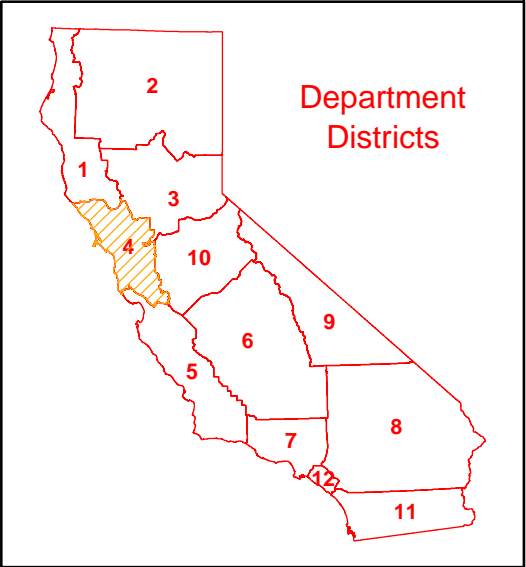
Figure 3-1
District 4 RWQCB and H.U. Boundaries

Maintenance Station Addresses			
Route/ Post Mile	Name	Street Address	City and Zip Code
North Coast Regional Board (Region 1)			
1/12.10	Bodega Bay	2030 Hwy 1	Bodega Bay Ca. 94923
1/35.30	Fort Ross	21265 Coast Highway	Jenner Ca. 95450
12/9.90	Sebastopol	5611 Sebastopol Road	Sebastopol Ca. 95472
101/20.60	Santa Rosa	224 Lincoln Street	Santa Rosa Ca. 95401
101/43.00	Geyserville	21979 Geyserville Avenue	Geyserville Ca. 95441
San Francisco Bay Regional Board (Region 2)			
1/0.10	Manzanita	40 Shoreline Hwy	Mill Valley Ca. 94941
1/26.90	Half Moon Bay	2003 Cabrillo Hwy	Half Moon Bay Ca. 94019
1/28.20	Point Reyes	10795 Hwy 1	Point Reyes Ca. 94956
4/100	Hercules	1369 Willow Avenue	Hercules Ca. 94547
17/7.10	Los Gatos	Hwy 17 PM 7.1	Santa Clara County
24/5.70	Caldecott Tunnel	-	Oakland Ca. 94618
29/12.10	Napa	3161 Jefferson Street	Napa Ca. 94558
29/37.40	Calistoga	1413 Tubbs Lane	Calistoga Ca. 94515
29/43.60	Mount Saint Helena	Hwy 29 PM 43.6	Napa County
37/9.80	Vallejo	1700 Sear Point Road	Vallejo Ca. 94590
80/0.70	Carquinez/Benicia/Antioch Bridges	Carquinez Toll Plaza	Crockett Ca. 94525
80/2.00	Toll Bridge Region (East Bay Paint)	San Francisco/Oakland Bridge Toll Plaza	Oakland Ca. 94609
80/5.40	West Bay Paint	434 Main Street	San Francisco Ca. 94105
80/17.20	Fairfield	2019 West Texas Street	Fairfield Ca. 94533
84/3.21	Dumbarton Bridge Toll Plaza	ALA 84 PM 3.2	Fremont Ca. 94560
84/10.20	Fremont	245 Mowry Avenue	Fremont Ca. 94583
85/17.50	Cupertino	10130 Bubb Road	Cupertino Ca. 95014
92/2.60	San Mateo / Hayward Bridge	SM-Hayward Br Toll Plaza	Hayward Ca. 94545
92/13.60	West Bay Region	380 Foster City Blvd	Foster City Ca. 94404
92/14.50	San Mateo Paint	Pier 1 SM - Hayward Bridge	Foster City Ca. 94404
101/3.00	South Petaluma	1485 South Petaluma Blvd	Petaluma Ca. 94952
101/3.20	North Bay Region (Petaluma)	611 Payran Street	Petaluma Ca. 94952
101/4.10	San Francisco	120 Rickard Street	San Francisco Ca. 94134
101/4.60	Redwood City	2501 East Bayshore Blvd	Redwood City Ca. 94063
101/49.00	Middlefield Rd	1770 Old Middlefield Road	Mountain View Ca. 94043
260/2.00	Posey/Webster	415 Harrison Street	Oakland Ca. 94607
280/3.60	Specialty Region/Alemany	30 Rickard Street	San Francisco Ca. 94134
280/4.60	Woodside	5055 Farmhill Blvd	Woodside Ca. 94062
280/17.90	Millbrae	Sawyer Camp Trail & Hillcrest Blvd	Millbrae Ca. 94030
580/2.60	San Rafael Paint	Hwy 580 and Main Street	San Quentin Ca. 94939
580/6.10	Richmond & San Rafael Bridge	Toll Plaza	Richmond Ca. 94801
580/13.10	Livermore	6153 South Front Road	Livermore Ca. 94550
580/28.90	Hayward	2153 South Front Road	Livermore, Ca. 94550
580/35.70	106th Ave	10500 Foothill Blvd	Oakland Ca. 94605
580/38.90	Seminary	6220 Seminary Avenue	Oakland Ca. 94605
680/0.20	Alcosta	21300 San Ramon Valley Blvd	San Ramon Ca. 94583
680/6.70	Sycamore Valley Road	815 Camino Ramon	Danville Ca. 94526
680/7.90	Milpitas	115 Dempsey Road	Milpitas Ca. 95035
680/15.60	Delta Region (Walnut Creek-East)	2616 N Main Street	Walnut Creek Ca. 94596
680/15.60	Walnut Creek West	2581 N Main Street	Walnut Creek Ca. 94596
780/2.20	Benicia	Hwy 780 PM 2.0	Benicia Ca. 94510
880/4.30	South Bay Region	500 Queens Lane	San Jose Ca. 95112
880/20.00	East Bay Region	600 Leweling Blvd	San Leandro Ca. 94579
880/28.70	South Oakland	1112 29th Avenue	Oakland Ca. 94608
880/NA	Shop 4	1933 Marina Blvd	San Leandro, Ca.
980/125	District 4 Office	111 Grand Avenue	Oakland Ca. 94612
NA/NA	South San Francisco	296 Airport Blvd	South San Francisco Ca.
NA/NA	Page Mill Rd	2350 Page Mill Road	Los Altos Ca. 94304
NA/NA	Telegraph	3605 Telegraph	Oakland Ca. 94601
NA/NA	Schellville	101 Bonneau Road	Sonoma Ca. 95476
NA/NA	Tri Bridge Yard	100 Industrial Way	Benicia Ca. 94510
NA/NA	Benicia	1700 East 2nd Street	Benicia Ca. 94510
Central Coast Regional Board (Region 3)			
101/10.30	Gilroy	11155 Noman Uno Avenue	Gilroy Ca. 95020
101/10.30	Gilroy	-	Santa Clara County
Central Valley Regional Board (Region 5)			
4/28.90	Antioch	2817 Windsor Drive	Antioch Ca. 94509
12/26.00	Rio Vista	480 Highway 12	Rio Vista Ca. 94571
80/39.80	Dixon	8628 Sparling Lane	Dixon Ca. 95616



RWQCB Index

RB1 North Coast Region
RB2 San Francisco Bay Region
RB3 Central Coast Region
RB5 Central Valley Region



4.0 HIGH-RISK AREAS

This section describes and identifies locations where spills from the Department's owned ROW, activities, roadways, or facilities can discharge directly to a municipal or domestic water supply reservoir or a ground water recharge (percolation) facility. Projects that potentially drain to these areas consider project features that enhance spill response.

A list of high-risk areas within District 4 is presented in Table 4–1. High-risk areas (defined in the Section E.2 of the Permit) are areas such as locations where spills from Department owned right-of-ways, activities, or facilities can discharge directly to municipal or domestic water supply reservoirs or ground water percolation facilities. Additional sites may be added to the high-risk list based on discussion between the RWQCB and Department. The Permit requires consideration of appropriate spill containment and spill prevention control measures for these areas.

In order to generate the list of high-risk municipal and domestic water supply reservoirs and ground water percolation facilities, the Department first contacted known public and private water supply providers. From the information received, the Department determined which facilities were susceptible to a direct spill from a Department activity or facility. This determination was based on proximity between the water body and the Department's facility, use characteristics of the facility, and the probable spill response time.

The Department will consider and implement spill containment and prevention control measures in accordance with the processes contained in the SWMP including Section 3 for BMP identification and implementation, Section 4.4.1 for new construction projects or Section 4.4.2 for retrofit projects that are within these areas.

Goals and Commitments

The District is committed to maintaining the quality of water within its jurisdiction, as it has been since the inception of the program. In the event that any water quality concerns are detected in the future, goals and commitments will be developed and implemented to address those issues.

Coordination and Partnerships

As required by the SWMP and Permit, the District coordinates regularly with agencies, partners, local interested parties, and SF-RWQCB staff to accomplish its storm water management goals. If future issues require, the District will coordinate with groups or agencies to implement BMPs wherever possible.

Documents and Reports

As necessary, the District will evaluate what changes should be made to the District's existing documents and/or guidance on storm water activities and tasks to improve implementation of the SWMP. Major upcoming changes to documents and reports will comply with the requirements of the new Permit and new SWMP, which is currently under development.

Educational Efforts

The District continues to conduct training classes, as needed, to train District staff and contractors on the use of BMPs to comply with SWMP requirements and to address how certain projects might potentially impact high-risk areas. The District will evaluate what training or educational sessions may be helpful in educating District staff about the special issues high-risk areas present and how to address them according to the requirements of the SWMP and Permit.

Table 4–1: District 4 High-Risk Areas

Road Segment/ Facility	County	High Risk Area	Description	Comments
Route 128	Napa County	Lake Hennessey	Lake Hennessey is utilized as a water supply.	Light truck traffic and slower speeds due to the alignment and grade of this section of Route 128 reduces the likelihood of hazardous spills.
Route 35	San Francisco County	Lake Merced	Adjacent to Route 35 in the City of San Francisco, Lake Merced is primarily used as a recreational area. It also serves as an emergency source for drinking water.	Storm water from Route 35 currently discharges directly to the lake via a series of down-drains.
Route 280	San Mateo County	Lower Crystal Springs Reservoir	Route 280 in San Mateo county crosses through a watershed that drains to both upper and lower Crystal Springs Reservoirs.	In order to preserve the quality of the reservoirs, it was necessary to develop a system that allows clean, natural runoff to drain to the reservoirs while freeway runoff was directed into a series of seven turbidity ponds.
Route 92	San Mateo County	Upper Crystal Springs Reservoir	Route 92 bisects the Upper Crystal Springs Reservoir from the Lower one. These reservoirs supply the San Francisco Water Department with water for domestic use.	A proposed safety project to widen and realign Route 92 in San Mateo County from Crystal Springs Reservoir to Route 35 will incorporate spill prevention and containment techniques. This Route acts as the main access to coastal communities and, as such, experiences heavy truck traffic.
Route 24	Contra Costa County	San Pablo Reservoir	San Pablo Reservoir in the East Bay lies between Orinda and El Sobrante off San Pablo Dam Road. Reservoir is located at an elevation of 314 feet in the Berkeley hills. It has 860 surface acres. At San Pablo, reservoir visitors can fish, picnic, hike, or just relax in beautiful settings.	Runoff from Route 24 in Orinda discharges directly to San Pablo Creek, which empties into San Pablo Reservoir. The light truck traffic and relatively straight horizontal alignment at this location reduces the likelihood of spills.

Road Segment/ Facility	County	High Risk Area	Description	Comments
Route 24	Alameda County	Lake Temescal	Lake Temescal lies adjacent to Route 24 in the City of Oakland. Although the lake primarily serves as a recreational area, it may be utilized as an emergency water supply.	No comments.
SR 17, PM 18-18.6	Santa Clara County	Lexington Reservoir	Reservoir is municipal water supply source for approximately 10,000 residents in the towns of Saratoga and Los Gatos. Route 17 parallels Lexington Reservoir, which is located approximately three miles south of the Town of Los Gatos.	The lack of industrial facilities along this section of highway as well as the constrained horizontal and vertical geometry of the highway discourages heavy truck traffic. Trucks using Route 17 are most likely serving the nearby Santa Cruz and San Lorenzo Valley areas.
Routes 17 & 85	Santa Clara County	Percolation Facilities	Several Santa Clara Valley Water District (SCVWD) percolation ponds lie along Los Gatos Creek adjacent to Route 17 and the Route 17/85 Interchange in Campbell. The water source for most of these ponds is Los Gatos Creek.	While runoff from the Route 17/85 Interchange does not discharge to the nearby ponds, SCVWD is concerned that off-roadway accidents in which vehicles or trucks run down embankments could occur, thereby jeopardizing the ponds.

5.0 IMPLEMENTATION ACTIVITIES

This section presents specific project work planned for the year and indicates BMP implementation improvements. The anticipated schedule of construction and maintenance activities is subject to change. Department will discuss with the RWQCBs new projects meeting the criteria listed below when ground disturbance takes place or when significant maintenance activities are initiated during the year. These projects are updates to the RWP provided each April. Table 5–1 includes a list of construction projects that meet one or more of the following criteria:

- The project involves greater than 5 acres of land disturbance, designated as “DSA”;
- The project affects a 303(d) listed water body within the project limits, designated as “303d”;
- The project requires a 401 Water Quality Certification or Waiver, designated as “401”;
- The project is a Supplemental Environmental Project (water quality project negotiated by the RWQCB and the Department) designated as “SEP”;
- The project is a storm water retrofit project (SWMP Section 4.4.2), designated as “Retro”;
- The project includes Lahontan Regional Water Quality Control Board specific requirements for the Lake Tahoe Hydrologic Unit, designated as “LT”;
- The project limits are within a “High Risk Area,” designated as “HR”; and
- The project is designated by a RWQCB as posing a potential threat to water quality, designated as “RB.”

The information presented in Table 5–1 is intended to facilitate early RWQCB staff input in the project-planning phase in accordance with Section L.8 of the Permit and Section 4.4 of the SWMP. The goal is to resolve water quality issues that may affect project funding, permitting, and scheduling. In addition, projects that require RWQCB review and approval of project SWPPPs/WPCPs in accordance with Sections H.8 and L.8 of the Permit are also covered in Table 5–1.

Table 5–2 presents a list of anticipated significant maintenance projects that have the potential to impact water quality; it provides early notification of such activities. It also includes region-specific issues and BMP actions/modifications based on program evaluations discussed in current and/or past Annual Report(s). Department DNCs or Maintenance Storm Water Coordinators will coordinate with the appropriate RWQCBs to discuss maintenance activities listed in the RWP.

Table 5–3 summarizes various program management activities that are part of the storm water pollution prevention program.

Goals and Commitments

The District continues to track and ensure storm water compliance in Department projects. Projects are reviewed to ensure implementation of storm water treatment controls and erosion control practices are being considered at each phase of the project.

Coordination and Partnerships

As required by the SWMP and Permit, the District coordinates regularly with agencies, partners, local interested parties, and RWQCB staff to accomplish its storm water management goals. If future issues require, the District will coordinate with groups or agencies to implement BMPs wherever possible.

Documents and Reports

As necessary, the District will evaluate what changes should be made to the District's existing documents and assess the need for new documents (such as manuals and guidance) that should be developed to improve implementation activities. Major upcoming changes to documents and reports will comply with the requirements of the new Permit and new SWMP, which is currently under development.

Educational Efforts

The District will evaluate what training or educational sessions may be helpful in educating District staff about implementation activities and how to address them according to the requirements of the SWMP and Permit.

Table 5–1: District 4 (Region 2) Anticipated Project Development/Construction Schedule

No.	SWMP Category*	EA#	CO	RTE	BK PM	AH PM	Description	Water Bodies Impacted by Project	Criteria**	Anticipated Project Delivery Schedule		Construction Period	
										PA&ED Date	PS&E Date	Start Date	Completion Date
1	B	01400	ALA	0	00	00	Construction Of Building & Roads Renovation Of Existing Key System	S.F. Bay Central	DSA, 303d	12-31-05	05-01-07	10-01-07	07-01-09
2	B	29490	ALA	24	R5.3	R6.2	Construct Tunnel-4Th Bore		DSA, 401	12-01-06	07-01-08	12-01-08	04-01-14
3	C	01204	ALA	80	1	1.7	SFOBB East Span Seismic Safety Project	S.F. Bay Central	DSA	12-01-03	03-01-05	04-01-07	03-01-12
4	D	0120J	ALA	80	1.6	3.5	SFOBB Storm Water Treatment Measures.	S.F. Bay Central	DSA	07-11-01	08-16-05	03-01-06	03-01-08
5	C	29226	ALA	80	2.5	3.2	Construct Bikeway		DSA, 401	03-31-99	11-01-07	02-01-08	07-01-09
6	D	17240	ALA	84	21	23.1	Imprv Horz & Vert Curve Alignmt & Widen Shoulders	Vallecitos Creek	DSA, 401,303d	06-29-05	02-01-06	04-01-06	05-01-07
7	C	17440	ALA	84	12.1	13.3	Realign & Improve Sight Distance	Alameda creek	401	04-01-06	05-01-07	08-01-07	12-01-09
8	B	23303	ALA	84	6.9	10.8	Construct 4 Lane Highway	Alameda Creek	DSA, 401	04-01-08	01-01-10	04-01-10	01-01-12
9	D	01601	ALA	92	4.8	6.7	92/880 Interchange Reconstruction	S.F. Bay Central	DSA, 303d, 401	12-31-03	03-01-06	04-02-07	10-01-11
10	D	24971	ALA	123	0	5.2	Rehabilitate Roadway	Lake Temescal	DSA	10-19-99	02-05-04	11-01-04	02-01-06
11	C	15534	ALA	238	9.2	11.2	Intersectn Imprvmt At Mission/Carl- OS Bee Blvd & Leftturn At Crescent	Ward Creek, San Lorenzo Creek	DSA	06-06-00	02-01-08	09-01-08	01-01-12
12	D	23365	ALA	238	3	3.9	Intersection Improvement		DSA		02-01-02	03-01-02	07-15-06
13	D	24900	ALA	238	R14.2	R16.7	Wdn I-238 Fr 4-6 Lns, Aux Lanes On I-880	San Lorenzo Creek, Estudillo Canal	DSA	04-01-04		01-01-05	01-01-09
14	D	24904	ALA	238	14.2	16.7	I-238 Widening And Rehab	San Lorenzo creek	DSA, 303d	06-25-04	08-11-05	12-01-05	01-01-09

Table 5–1: District 4 (Region 2) Anticipated Project Development/Construction Schedule

No.	SWMP Category*	EA#	CO	RTE	BK PM	AH PM	Description	Water Bodies Impacted by Project	Criteria**	Anticipated Project Delivery Schedule		Construction Period	
										PA&ED Date	PS&E Date	Start Date	Completion Date
15	C	14356	ALA	580	46.3	46.2	Siesmic Retrofit Phase-2 1-Bent	San Francisco Bay	DSA		01-01-07	04-02-07	04-01-08
16	D	15105	ALA	580	17	22	Install Traffic Operations System	Alamo Creek	DSA	10-11-00	03-02-05	06-29-05	04-01-07
17	D	16200	ALA	580	45.8	46.9	Construct New Bridge (Widen)		DSA	03-29-01	03-30-04	11-01-04	11-01-06
18	C	17130	ALA	580	13.2	14.9	Construct New Interchange To Connect Rte 84 To I-580	Arroya de las Positas Creek	DSA, 401,303d	04-01-06	01-01-07	02-26-07	02-26-10
19	D	23379	ALA	580	21	0	Constr Bart Station & Parking Lots	Tassajara Creek, Chabot Canal, Alamo Creek, Alamo Canal	DSA	04-13-01	03-01-06	03-01-06	03-01-08
20	B	23430	ALA	580	R27.8	R29.6	Construct New Ramps	San Lorenzo Creek	DSA, 401,303d	11-01-06	02-01-07	06-01-07	06-01-09
21	B	23810	ALA	580	R9.3	R10.1	Modify Interchange	San Francisco Bay, Arroyo Agua Caliente	303d	07-01-07		03-01-08	12-01-09
22	D	25760	ALA	580	16.2	17	Interchange Modification	S.F. Bay South	DSA, 401,303d	07-01-04	01-01-05	05-01-05	08-01-06
23	D	29080	ALA	580	8	19.3	Construct Hov Lanes	Arroyo Las Positas, Tassajara Creek, Cottonwood Creek, Collier Canny	DSA, 401	01-01-06	02-01-06	08-01-06	08-01-08

Table 5–1: District 4 (Region 2) Anticipated Project Development/Construction Schedule

No.	SWMP Category*	EA#	CO	RTE	BK PM	AH PM	Description	Water Bodies Impacted by Project	Criteria**	Anticipated Project Delivery Schedule		Construction Period	
										PA&ED Date	PS&E Date	Start Date	Completion Date
24	B	29081	ALA	580	8	19.3	Construct Eb Hov Lane	San Francisco Bay, Lower Penitencia Creek, Coyote Creek, Scott Creek, Arroyo Agua Caliente, Arroyo De La Laguna	303d	09-01-06	11-01-06	04-01-08	12-01-12
25	C	25375	ALA	680	R0	R19.3	Widen Freeway, Construct Auxiliary Lanes, & Install Ramp Meters	Calera Creek, Scott Creek, Mission Creek, Alameda Creek, Arroyo De La Laguna, Various Wetlands	DSA, 401	09-13-00	03-15-07	07-01-05	07-01-10
26	C	28600	ALA	680	M0	M19.7	Const Nb Hov Lane, Auxiliary Lanes, Install Ramp Metering And Widen	Arroya de la laguna, Alameda, Berryessa Creek	DSA, 401	06-30-05	07-01-09	11-01-09	05-01-13
27	D	1706U	ALA	880	30.1	31.1	Seismic Retrofit - Phase 2 (Replace Bridge)	The Lake Merritt Channel and San Francisco Bay	DSA	09-29-00	04-15-05	01-16-06	01-16-11
28	D	23317	ALA	880	15.6	17.6	Reconst I/C, Direct Connectors W/Hov Bypass, Add Auxlanes On I-880	S.F. Bay, Alameda Creek	DSA, 401			06-01-05	07-01-09
29	D	2332U	ALA	880	R0	R2.9	Widen Exisiting Freeway	Agua Fria Creek, Torges Creek, Agua Caliente Creek	DSA	06-28-02	02-28-03	11-13-03	12-01-08
30	C	26000	ALA	880	31	32.4	Broadway/Jackson I/C Improvements		DSA	04-01-03	12-01-08	03-01-09	08-01-11

Table 5–1: District 4 (Region 2) Anticipated Project Development/Construction Schedule

No.	SWMP Category*	EA#	CO	RTE	BK PM	AH PM	Description	Water Bodies Impacted by Project	Criteria**	Anticipated Project Delivery Schedule		Construction Period	
										PA&ED Date	PS&E Date	Start Date	Completion Date
31	D	0C720	CC	4	R4.9	R16.8	Ac Overlay/Pcc Grinding (Capm)	Frankin, Crayson, Walnut, Mt Diablo, Contra Costa Canal	DSA	08-01-99	12-15-05	04-01-06	02-01-07
32	B	1A910	CC	4	0	0.8	Ramp Relocation	S. Mococo Drain, Carquinez Strait, Suisun Bay		05-01-07	08-01-08	10-01-08	07-01-11
33	C	22850	CC	4	23.5	26.1	Reconstr Loveridge Road I/C And Widen From 4 To 8 Lanes	Kirker Cr, antioch Cr, Los Medanos Wasteway	DSA, 401	02-01-06	02-13-07	08-01-07	01-01-10
34	B	22930	CC	4	R28.4	R28.9	Add Auxiliary Lane And Widen Eb Off Ramp	Contra Costa Canal, San Joaquin River		12-01-06	04-01-07	07-01-07	10-01-08
35	D	01309	CC	80	13.7	14.1	Remove Bridge And Approaches	Carquinez Strait	DSA,303d	01-01-98	12-30-02	06-30-04	08-01-07
36	D	22844	CC	680	R0	R0.6	Modify Interchange		DSA	06-13-02	04-22-03	08-01-03	08-01-06
37	D	22855	CC	680	2.9	4.3	Construct Auxilliary Lanes	San Ramon creek	DSA	02-15-03	07-28-05	11-01-05	12-01-07
38	B	22910	CC	680	20.2	22.2	Modify Interchange	Grayson Creek and its tributaries.	DSA, 401	10-01-06	05-01-10	10-01-10	12-01-13
39	B	2S230	MRN	1	31.2	0	Remove Rip-Rap And Reflector, Install Embankment System And		401	09-29-06	02-01-08	03-31-08	05-04-09
40	D	22615	MRN	101	9.6	11.2	Reversible Hov Lane	San Rafael Creek	DSA	08-31-00	03-31-04	11-15-04	11-01-07

Table 5–1: District 4 (Region 2) Anticipated Project Development/Construction Schedule

No.	SWMP Category*	EA#	CO	RTE	BK PM	AH PM	Description	Water Bodies Impacted by Project	Criteria**	Anticipated Project Delivery Schedule		Construction Period	
										PA&ED Date	PS&E Date	Start Date	Completion Date
41	B	26400	MRN	101	R23	R27.7	Widen 4-Lane Expwy To 6-Lane Frwy For Hov, Including Frontage Rd And	Novato Cr., Rush Cr., San Antonio Cr., Petaluma River, Lynch Cr., and E. Washington Cr.	DSA, 401,303d	07-01-07	03-31-08	10-01-08	01-01-10
42	B	26410	NAP	12	0.1	3.3	Widen 2-Lane Conv Hwy To 4-Lane Exprwy	Sheehy Creek, Fagan Creek	DSA, 401	07-01-07	12-01-08	08-01-09	01-01-12
43	C	0A170	NAP	29	R7.8	R9.4	Modify Interchange And Relocate Stanly Lane	Stanly Creek and Wetland area East of NB 29	DSA, 401			08-01-12	02-01-16
44	C	13496	NAP	29	36.8	38.1	Roadway Rehabilitation	Napa River	DSA, 303d, 401	12-01-05		08-01-07	04-01-09
45	B	28790	NAP	29	4.2	5.5	Intersection Improvements	North Slough, Sheehy Creek, Fagan Creek, Suscol Creek	DSA, 401	07-01-07	12-01-08	04-01-09	01-01-12
46	C	20940	NAP	121	6.1	6.5	Replace Bridge	S.F. Bay	DSA	01-30-04	09-01-06	11-01-06	12-01-08
47	C	44420	NAP	121	0.3	2	Curve Improvements And Shoulder Widening	Huichica Creek, Cameros Creek	DSA, 401	08-26-05	11-01-06	05-01-07	12-01-08
48	D	43954	SCL	17	10.5	12.3	Construct Auxilliary Lane For Nb 17 From Camden Ave To Hamilton Ave	Los Gatos Creek	DSA	06-01-05	02-01-05	05-01-05	11-01-06

Table 5–1: District 4 (Region 2) Anticipated Project Development/Construction Schedule

No.	SWMP Category*	EA#	CO	RTE	BK PM	AH PM	Description	Water Bodies Impacted by Project	Criteria**	Anticipated Project Delivery Schedule		Construction Period	
										PA&ED Date	PS&E Date	Start Date	Completion Date
49	D	0A160	SCL	85	0	18.7	Construct Retaining Walls	Parkway Lakes, Coyote Creek, Canoas Creek, Guadalupe River, Ross Creek, Los Gatos Creek, San Tomas Aquinas Creek, Sobey Creek, Wildcat Creek, Saratoga Creek, Calabazas Creek, Stevens Creek	DSA	06-30-03	12-31-04	06-01-05	06-01-07
50	D	43961	SCL	87	5.1	6.4	Widen Freeway From 4 Lanes To 6 Lanes	Guadalupe River	DSA	12-03-04	01-22-04	05-01-04	08-01-06
51	D	4396U	SCL	87	0	5.1	Widen Roadway And Bridge Repair	Canoas Creek, Guadalupe River	DSA, 301d	12-03-03	03-22-04	09-01-04	09-01-06
52	C	1A980	SCL	101	31	34.9	Improve I/C Along 101, Operational Improvements Of Local St O/Passes	Silver Creek, Coyote Creek, Miguelita Creek	DSA	01-15-06	04-01-07	08-01-07	10-01-09
53	D	43880	SCL	101	47.8	49.2	Modify Interchange And Construct Hov Collector		DSA				12-01-06
54	B	0A350	SCL	152	6.6	7.9	Construct Two At-Grade Intersection And Widen The Shoulders For The			09-01-06	03-01-07	05-01-07	07-01-08
55	B	17492	SCL	152	14.7	16.4	Construct Passing Lanes (Eb & Wb)				07-01-08	11-01-08	03-01-10
56	B	0A702	SCL	237	6.9	8.7	Construct Auxiliary Lane	Guadalupe River and Coyote	DSA	07-30-06	01-30-08	06-01-10	06-01-10

Table 5–1: District 4 (Region 2) Anticipated Project Development/Construction Schedule

No.	SWMP Category*	EA#	CO	RTE	BK PM	AH PM	Description	Water Bodies Impacted by Project	Criteria**	Anticipated Project Delivery Schedule		Construction Period	
										PA&ED Date	PS&E Date	Start Date	Completion Date
								Creek					
57	D	43970	SCL	237	8.5	9.5	Construct I/C, Stage C And Hov Direct Connectors	Coyote Creek	DSA	05-16-01	05-15-02	10-01-08	10-01-12
58	D	27052	SCL	280	R0	R20.6	Upgrade Metal Beam Median Barrier To Concrete Barrier	Coyote Creek, Guadalupe River, Los Gatos Creek, San Tomas Aquinas Creek, Saratoga Creek, Calabazas Creek, Stevens Creek, Permanente Creek, Hale Creek, Adobe Creek, Deer Creek, Matadero Creek, Los Trancos Creek, San Francisquito Creek	DSA	08-10-04	04-01-06	06-01-06	08-01-07
59	C	25720	SCL	880	6.5	6.9	Modify Interchange	Possibly: Guadalupe river, Coyote creek	DSA, 303d	04-01-06	01-01-07	03-01-07	03-01-09
60	D	26200	SCL	880	2.4	3.2	Reconstruct I-880/Coleman Ave I/C	Storm drains discharge to Gualdelupe River.	DSA	01-21-04	07-30-03	09-04-03	12-01-07
61	D	28552	SCL	880	9.9	10.5	Bridge Widening And Reconstruction	Scott Creek and Penitencia Creek	DSA	03-29-00	02-14-01	06-01-01	05-01-07

Table 5–1: District 4 (Region 2) Anticipated Project Development/Construction Schedule

No.	SWMP Category*	EA#	CO	RTE	BK PM	AH PM	Description	Water Bodies Impacted by Project	Criteria**	Anticipated Project Delivery Schedule		Construction Period	
										PA&ED Date	PS&E Date	Start Date	Completion Date
62	D	43940	SCL	880	3.6	6.7	Widen From 4 To 6 Lane X		DSA	03-07-01	08-01-04	01-01-05	09-01-08
63	C	01209	SF	80		8.9	Existing East Span Demolition	San Francisco Bay	303d	07-11-01	07-20-11	11-20-11	06-14-15
64	C	0435F	SF	80	5.6	5.9	Seismic Retrofit And Construction	San Francisco Bay	303d	09-12-02	07-01-07	01-01-08	05-15-07
65	B	16370	SF	101	8.3	9.4	Reconst And Widen Exist Doyle Drive	San Francisco Bay	DSA, 401	12-01-06	09-26-08	01-01-09	01-01-12
66	D	1123E	SM	1	38	40.1	Construction Of Tunnel, Bridge And Approach Road	Pacific Ocean, San Pedro Creek	DSA	06-28-02	04-12-05		12-04-09
67	D	1123F	SM	1	38	38.6	Construction Of Operation Maintenance Center Building	Pacific Ocean	DSA	06-28-02	08-08-05		03-05-07
68	C	1123J	SM	1	38	40.1	Mitigation At N Pond Rehabilitation & Supplemental Water System	Pacific Ocean, San Pedro Creek	DSA	06-28-02	04-01-08	05-01-08	11-01-10
69	D	1123K	SM	1	39.6	40.1	Bridge Construction	Pacific Ocean, San Pedro Creek	DSA	06-28-02	11-15-04	02-01-05	12-01-06
70	D	1123M	SM	1	38	41	(Tunnel Contract) Construct Roadway And Tunnels For Devil's Slide	Pacific Ocean, San Pedro Creek	DSA	06-28-02	06-30-05		04-15-09
71	D	1123U	SM	1	38	38.6	Construct Tunnels, Approach Roads And Omc Building	Pacific Ocean, San Pedro Creek, Wetlands	DSA	06-28-02	11-22-05	06-01-06	07-01-10
72	B	25460	SM	1	42	43.2	Widen For Operational Improvements	Calera Creek, Rockaway Beach at Pacific Ocean	DSA, 401	10-01-06	10-01-07	11-01-07	10-01-08
73	D	13059	SM	92	0	0.7	Widen Highway From 2 To 4 Lanes E Of Foothill Blvd	Pilarcitos Creek	DSA	02-14-02	06-30-05	10-01-05	09-30-06
74	C	13199	SM	92	5	7.3	Slow Vehicle Lane	Crystal Springs Reservoir	DSA, 401	09-30-03	10-01-07	08-01-08	07-01-12

Table 5–1: District 4 (Region 2) Anticipated Project Development/Construction Schedule

No.	SWMP Category*	EA#	CO	RTE	BK PM	AH PM	Description	Water Bodies Impacted by Project	Criteria**	Anticipated Project Delivery Schedule		Construction Period	
										PA&ED Date	PS&E Date	Start Date	Completion Date
75	C	25430	SM	92	0.4	3.3	Eliminate Sharp Curves, Widen Shoulders For Operational & Safety	Pilarcitos Creek.	DSA, 401	02-01-06	10-01-06	06-01-07	10-01-08
76	B	23536	SM	101	5.1	6	Reconstruction Of The 101/84 (Woodside Road) Interchange In	San Francisco Bay, Redwood Creek	DSA, 401,303d	06-01-07	06-01-10	11-15-10	09-01-13
77	D	26420	SM	101	13.5	17.9	Aux Lanes And Safty Improvement	Easton Creek, Sanches Creek, Mills Creek, Burlingame Recreation Lagoon and Wetlands.	DSA	12-28-05	02-15-06	08-01-06	07-01-08
78	C	0A040	SOL	12	1.5	2.8	Construct Truck Climbing Lane	Jamison Canyon Creek	DSA, 401	06-30-05	01-01-07	06-01-07	01-30-08
79	D	28470	SOL	37	R7.1	R7.4	Interchange Improvements	Napa River	DSA, 303d		06-23-04	07-01-06	10-01-08
80	B	0A520	SOL	80	R12	R15.8	Construct Arterial Parallel To I-80 I-80/I-680/Sr-12 Interchange Imprv	Dan Wilson and Suisun Creeks	DSA, 401	09-01-06	09-01-07	12-01-07	04-01-10
81	B	0A530	SOL	80	R12	R15.8	I-80/I-680/Sr-12 I/C Improvements, Widen Exist Freeway, Construct New	Denverton Creek	DSA, 401	04-01-07	04-01-10	07-01-10	04-01-14
82	C	0T240	SOL	80	3.9	8.1	Rehabilitate Roadway, Ramp, Barrier And Safety Improvements		DSA	10-01-01	12-01-06	10-01-07	07-01-09

Table 5–1: District 4 (Region 2) Anticipated Project Development/Construction Schedule

No.	SWMP Category*	EA#	CO	RTE	BK PM	AH PM	Description	Water Bodies Impacted by Project	Criteria**	Anticipated Project Delivery Schedule		Construction Period	
										PA&ED Date	PS&E Date	Start Date	Completion Date
83	D	0C830	SOL	505	R0	R10.6	Ac Surfacing/Slab Replacement	Pinetree Creek, Putah South Canal, Horse Creek, Gibson Canyon Creek, Canyon Creek, Sweeny Creek, Dry	DSA	08-12-05	10-13-05	01-17-06	12-01-07
84	D	25870	SOL	680	1.8	13.1	Restoration & Widening Of Shoulder	Suisun Bay	DSA	07-01-03	06-30-04	03-01-06	08-01-06
85	C	28380	SON	116	41.8	44.7	Improve Vertical And Horizontal Curves And Widen Roadway	Champlin Creek, Rodger Creek	DSA, 401	08-01-05	01-01-07	04-01-07	10-01-10
86	B	29520	SON	121	7.9	8.4	Widen Route 121 And Signalize I/S Of State Highway 121 And Eighth St	Schell Creek	DSA	04-01-07	06-01-08	10-01-08	05-01-10

Table 5-1 Legend

*SWMP Category is defined in Statewide Storm Water Management Plan (SWMP) Section 4.4.1, Table 4-3,

- | | |
|-----|---|
| (A) | Beginning of project development process prior to approval of the PSR (Project Study Report) |
| (B) | PSR approved, but environmental documents are not final |
| (C) | Environmental documents final |
| (D) | Environmental documents final, designs complete and project in the construction phase of project delivery |

Note: The most updated SWMP is dated insert new SWMP date. Therefore, the SWMP Categories A, B, C, and D are selected for the projects between the five years period of Year to Year from PID to CCA.

****Criteria:**

- | | |
|------|--|
| DSA | = Disturbed Soil Area is greater than 5 acres |
| 303d | = 303(d) listed water body within project limits and affected by project |
| 401 | = 401 Certification/waiver required |
| HR | = High Risk (Project limit within a high-risk area) |

Key:

- | | |
|--------------|---|
| EA | = Expenditure Authorization |
| CO-RTE-PM | = County / Route / Post Mile |
| SWPPP / WPCP | = Storm Water Pollution Prevention Plan / Water Pollution Control Program |
| Water Body | = Water body impacted by project |
| RB | = Regional Water Quality Control Board |
| PID | = Project Initiation Document |
| PA/ED | = Project Approval / Environmental Document |
| PS&E | = Plans, Specifications, and Estimates |
| RTL | = Ready to List |
| CCA | = Construction Completion Acceptance |
| SEP | = Supplemental Environmental Project |
| Retro | = Storm Water Retrofit Project (SWMP Section 4.4.2) |

Note: All projects that do not require a SWPPP will require a WPCP.

Table 5–2: District 4 Anticipated Maintenance Activities and Other Management Practices

Significant Road Maintenance Activities (1)							
County	Route	PM	Description	Water Bodies Affected	Criteria	Start Date	Completion Date
ALA	680	15	Remove silt etc.		401	Winter 2006	Spring 2006
ALA	580	20.2	Clean ditch		401	Winter 2006	Spring 2006
ALA	580	26.4	Clean ditch		401	Winter 2006	Spring 2006
ALA	580	27.5	Clean ditch		401	Winter 2006	Spring 2006
ALA	580	21.5-26.0	Clean ditch		401	Winter 2006	Spring 2006
ALA	N/b880	25.6	Remove silt etc.		401	Summer 2006	Fall 2006
ALA	N/b880	27.4	Remove silt etc.		401	Summer 2006	Fall 2006
ALA	84	3.8-5.0	Remove silt		401	Summer 2006	Fall 2006
ALA	92	6.4	Remove Silt/tules		401	Summer 2006	Fall 2006
ALA	880	33	Remove Silt/tules		401	Summer 2006	Fall 2006
ALA	680	17.18	Remove Silt		401	Summer 2007	Fall 2007
ALA	580	14.3	Remove Silt		401	Summer 2007	Fall 2007
ALA	N/b880	20.8	Remove silt etc.		401	Summer 2007	Fall 2007
ALA	N/b880	23.6	Remove tules		401	Summer 2007	Fall 2007
ALA	N/b880	24.7	Remove tules		401	Summer 2007	Fall 2007
ALA	N/b880	25.3	Remove tules		401	Summer 2007	Fall 2007
ALA	N/b880	25.5	Remove silt etc.		401	Summer 2007	Fall 2007
ALA	S/b880	25.4	Remove tules		401	Summer 2007	Fall 2007
ALA	S/b880	25.5	Remove tules		401	Summer 2007	Fall 2007
CC	24	3	CLEAN TULES OUT		401	Summer 2006	Fall 2006
CC	24	2	CLEAN TULES OUT		401	Winter 2006	Spring 2006
CC	24	2	CLEAN TULES OUT		401	Winter 2006	Spring 2006
CC	24	1.2	CLEAN TULES OUT		401	Winter 2006	Spring 2006

Significant Road Maintenance Activities (1)							
County	Route	PM	Description	Water Bodies Affected	Criteria	Start Date	Completion Date
CC	680	15.6	CLEAN TULES OUT		401	Winter 2006	Spring 2006
CC	680	22.7	CLEAN TULES OUT		401	Winter 2006	Spring 2006
SCL	101	40	REMOVE SILT		401	Summer 2006	Fall 2006
SCL	101	35	EXCAVATE		401	Summer 2006	Fall 2006
SCL	237	2.3	REMOVE CATAILS		401	Summer 2006	Fall 2006
SCL	680	8.3	REMOVE SILT		401	Summer 2007	Fall 2007
SCL	17	0.2	Clean Silt around bear trap		401	Summer 2007	Fall 2007
SCL	17	0.3	Clean Silt around bear trap		401	Summer 2007	Fall 2007
SCL	17	1.9	Clean Silt around bear trap		401	Summer 2007	Fall 2007
SCL	17	2	Clean Silt around bear trap		401	Summer 2007	Fall 2007
SCL	17	2.5	Clean Silt around bear trap		401	Summer 2007	Fall 2007
SCL	17	3.1	Clean Silt around bear trap		401	Summer 2007	Fall 2007
SCL	17	3.3	Clean Silt around bear trap		401	Summer 2007	Fall 2007
SCL	9	9.5-10.5	Clean silt & Trees out		401	Summer 2007	Fall 2007
SCL	9	0.01	Clean Ditch		401	Summer 2006	Fall 2006
SCL	9	1.01	Clean Ditch		401	Summer 2006	Fall 2006
SCL	9	2.01	Clean Ditch		401	Summer 2006	Fall 2006
SCL	9	3.01	Clean Ditch		401	Summer 2006	Fall 2006
SCL	9	4.01	Clean Ditch		401	Summer 2006	Fall 2006
SCL	9	5.01	Clean Ditch		401	Summer 2006	Fall 2006
SCL	9	6.01	Clean Ditch		401	Summer 2006	Fall 2006
SCL	9	7.01	Clean Ditch		401	Summer 2006	Fall 2006
SCL	35	14.1	Clean Ditch		401	Summer 2006	Fall 2006
SCL	35	15.1	Clean Ditch		401	Summer 2006	Fall 2006

Significant Road Maintenance Activities (1)							
County	Route	PM	Description	Water Bodies Affected	Criteria	Start Date	Completion Date
SCL	35	16.1	Clean Ditch		401	Summer 2006	Fall 2006
SCL	35	17.1	Clean Ditch		401	Summer 2006	Fall 2006
SM	1	4.32	VEG. SILT REMOVAL	Whitehouse Creek	401	Summer 2006	Fall 2006
SM	1	33.04	VEG. SILT REMOVAL	Gassos Creek	401	Summer 2006	Fall 2006
SM	1	35.29	VEG. SILT REMOVAL	Pacific Ocean	401	Summer 2006	Fall 2006
SM	1	37.09	VEG. SILT REMOVAL	Purissima Creek	401	Summer 2006	Fall 2006
SM	1	40.7	VEG. SILT REMOVAL	Pacific Ocean	401	Summer 2006	Fall 2006
SM	1	41.4	VEG. SILT REMOVAL	Pacific Ocean	401	Summer 2006	Fall 2006
SM	1	10.4	VEG. SILT REMOVAL	Freedmans Creek	401	Winter 2006	Spring 2006
SM	1	13.2	VEG. SILT REMOVAL	Pacific Ocean	401	Winter 2006	Spring 2006
SM	1	30.82	VEG. SILT REMOVAL	Pacific Ocean	401	Summer 2006	Fall 2006
SM	1	29.69	VEG. SILT REMOVAL	Arroyo Creek	401	Winter 2006	Spring 2006
SM	1	32.7	VEG. SILT REMOVAL		401	Winter 2006	Spring 2006
SM	1	32.09	VEG. SILT REMOVAL		401	Summer 2006	Fall 2006
SM	84	13.84	Veg. Slit removal	San Gregorio Creek	401	Summer 2007	Fall 2007
SM	84	12.97	Veg. Slit removal	San Gregorio Creek	401	Summer 2007	Fall 2007
SM	84	13.3	Veg. Slit removal	San Gregorio Creek	401	Summer 2007	Fall 2007
SM	101	20.6	Silt removal		401	Winter 2006	Spring 2006
SM	101	22.7	Trees, tules-remvl		401	Winter 2006	Spring 2006
SM	101	26.1	Silt removal		401	Winter 2006	Spring 2006
SM	35	7.55	Clean ditch		401	Summer 2007	Fall 2007
SM	35	6	Clean ditch		401	Summer 2007	Fall 2007
SM	35	3.28	Clean ditch		401	Summer 2007	Fall 2007
SM	35	10.49	Clean ditch		401	Summer 2007	Fall 2007
SM	35	2.86	Clean ditch		401	Summer 2007	Fall 2007
SM	35	2.81	Clean ditch		401	Summer 2007	Fall 2007
SM	35	13.84	Clean ditch		401	Summer 2007	Fall 2007
SM	35	15.48	Clean ditch		401	Summer 2007	Fall 2007

Significant Road Maintenance Activities (1)							
County	Route	PM	Description	Water Bodies Affected	Criteria	Start Date	Completion Date
SM	35	16.11	Clean ditch		401	Summer 2007	Fall 2007
SM	35	3.56	Rip rap		401	Summer 2007	Fall 2007
SM	35	2.81	Beartrap buried		401	Summer 2007	Fall 2007
SOL	680 NB	9.4	Remove Tules & tree		401	Summer 2007	Fall 2007
SOL	680 NB	10.3	Remove Tules		401	Summer 2007	Fall 2007
SOL	680 NB	9.1	Remove Tules & tree		401	Summer 2007	Fall 2007
SOL	680 NB	6.7	Redefine ditch line		401	Summer 2007	Fall 2007
SOL	680 SB	5	Redefine ditch line		401	Summer 2007	Fall 2007
SOL	680 SB	10.4	Redefine ditch line		401	Summer 2007	Fall 2007
SOL	680 SB	10	Redefine ditch line		401	Summer 2007	Fall 2007
SOL	680 SB	8	Remove Tules & tree		401	Summer 2007	Fall 2007
SOL	680 SB	7.5	Redefine ditch line		401	Summer 2007	Fall 2007
SOL	680 SB	8.8	Redefine ditch line		401	Summer 2007	Fall 2007
SOL	680 SB	7.2	Redefine ditch line		401	Summer 2007	Fall 2007
SOL	680 SB	5.2	Redefine ditch line		401	Summer 2007	Fall 2007
SOL	680 NB	5.8-6.1	Redefine ditch line		401	Summer 2007	Fall 2007
SOL	680 NB	7	Remove Tules & tree		401	Summer 2007	Fall 2007
SOL	680 NB	7.1	Redefine ditch line		401	Summer 2007	Fall 2007
SOL	680 NB	8	Clean culvert basin		401	Summer 2007	Fall 2007
SOL	680 NB	8.8-8.9	Clean culvert basin		401	Summer 2007	Fall 2007
SOL	680 NB	9.3	Clean culvert basin		401	Summer 2007	Fall 2007
SOL	680 SB	12.7	Clean culvert basin		401	Summer 2007	Fall 2007
SOL	680 SB	11.4	Clean culvert basin		401	Summer 2007	Fall 2007
SOL	680 SB	11	Clean culvert basin		401	Summer 2007	Fall 2007

Significant Road Maintenance Activities (1)							
County	Route	PM	Description	Water Bodies Affected	Criteria	Start Date	Completion Date
SOL	680 SB	10.66	Clean culvert basin		401	Summer 2007	Fall 2007
SOL	680 SB	6.4	Clean culvert basin		401	Summer 2007	Fall 2007
SOL	680 SB	6.3	Clean culvert basin		401	Summer 2007	Fall 2007
SOL	680 SB	6.1	Clean culvert basin		401	Summer 2007	Fall 2007
SOL	680 SB	5.9	Clean culvert basin		401	Summer 2007	Fall 2007
SOL	680 NB	7.5	Clean culvert basin		401	Summer 2007	Fall 2007
SOL	680 NB	8.2	Clean culvert basin		401	Summer 2007	Fall 2007
SOL	680 NB	8.3	Clean culvert basin		401	Summer 2007	Fall 2007
SOL	680 NB	8.7	Clean culvert basin		401	Summer 2007	Fall 2007
SOL	680 NB	9.7	Clean culvert basin		401	Summer 2007	Fall 2007
SOL	680 NB	10.7	Clean culvert basin		401	Summer 2007	Fall 2007
SOL	680 NB	11	Clean culvert basin		401	Summer 2007	Fall 2007
SOL	680 NB	11.4	Clean culvert basin		401	Summer 2007	Fall 2007
SOL	680 NB	11.6	Clean culvert basin		401	Summer 2007	Fall 2007
SOL	680 SB	12.7	Redefine ditch line		401	Summer 2007	Fall 2007
SOL	680 SB	11.4	Clean culvert basin		401	Summer 2007	Fall 2007
SOL	680 SB	11	Clean culvert basin		401	Summer 2007	Fall 2007
SOL	680 SB	10.66	Clean culvert basin		401	Summer 2007	Fall 2007
SOL	680 SB	6.4	Clean basin of trees		401	Summer 2007	Fall 2007
SOL	680 SB	6.3	Clean basin of tules		401	Summer 2007	Fall 2007
SOL	680 SB	6.1	Clean basin of tules		401	Summer 2007	Fall 2007
SOL	680 SB	5.9	Clean culvert basin		401	Summer 2007	Fall 2007
SOL	680 NB	7.5	Redefine ditch line		401	Summer 2007	Fall 2007

Significant Road Maintenance Activities (1)							
County	Route	PM	Description	Water Bodies Affected	Criteria	Start Date	Completion Date
SOL	680 NB	8.2	Clean culvert basin		401	Summer 2007	Fall 2007
SOL	680 NB	8.3	Clean basin and		401	Summer 2007	Fall 2007
SOL	680 NB	8.7	Clean culvert basin		401	Summer 2007	Fall 2007
SOL	680 NB	9.7	Clean basin of tules		401	Summer 2007	Fall 2007
SOL	680 NB	10.7	Clean culvert basin		401	Summer 2007	Fall 2007
SOL	680 NB	11	Redefine ditch line		401	Summer 2007	Fall 2007
SOL	680 NB	11.4	Clean basin of trees		401	Summer 2007	Fall 2007
SOL	680 NB	11.6	Redefine ditch line		401	Summer 2007	Fall 2007
Maintenance Facility and Activity Inspections							
The District Maintenance Storm Water Coordinator will schedule 25% of the Maintenance Facilities within District 4 for annual inspection. These inspections will be used to ensure that BMPs are consistent with those described in each Facility Pollution Prevention Plan (FPPP). Also, the inspections will be used to evaluate the effectiveness of the BMPs and to recommend any needed changes to the BMPs or the FPPP, which are to be identified in the RWP for next year. Activity inspections will be scheduled on a regular basis as described in the SWMP.							
Maintenance Facility BMP Improvements							
Maintenance Station storm water compliance will be reviewed with the Supervisors on an on going basis. Modification of the drainage systems in the Half Moon Bay and Calistoga maintenance stations are planned to prevent erosion and sediment build up.							
Maintenance BMP Actions/Modifications							
Over half of the original identified temporary waste storage locations are to be eliminated. Review new and approved BMPs as they become available and implement when appropriate. Review existing BMPs and modify where necessary.							
Vegetation Management and Vegetated Slope Management							
The District's Vegetation Control Plan (VCP) for FY 2005/2006 is under development. The goal of the District's 05-06 VCP is to minimize the discharge of chemicals to receiving waters by reducing chemical use for vegetation control. The district VCPs are under development at this time. They include the following: <ul style="list-style-type: none"> • Type of chemical to be applied • Applications locations, widths, total acres applied, frequency, amount totals • Reason for application 							

Table 5-2 Legend

- (1) Significant road maintenance activities includes projects involving grade changes, additional hydraulic capacity, direct discharges to surface waters, increases in impervious surface area, or other activities identified or agreed to between RWQCB and Department staff.
- (2) Criteria:
 - 401 = 401 Certification/Waiver required
 - DSA = Disturbed Soil Area is greater than 5 acres
 - 303d = 303 (d) listed water body within project limits and affected by project
 - SEP = Supplemental Environmental Project
 - Retro = Storm Water Retrofit Project
 - HR = Project limits within High Risk Area
 - RB = RWQCB designated project as a potential threat to water quality

Table 5–3: District 4 General Management Practices	
Monitoring Activities	
Monitoring activities will be conducted in accordance with the statewide program described in the Storm Water Monitoring Plan. The sites identified for monitoring in District 4 are as follows:	
Location	3-Year Action Plan Supporting Study
Alameda County, Route 580 W	Highway Runoff Characterization Study
Contra Costa County, Route 680 N	Highway Runoff Characterization Study
Solano County, Route 680 S	Highway Runoff Characterization Study
Solano County, Route 80, Lemon Street North Park and Ride	Park and Ride Lot Characterization Study
Contra Costa County, Route 80, Willow Ave. East Park and Ride	Park and Ride Lot Characterization Study
Alameda County, San Leandro Maintenance Yard	Maintenance Station Characterization Study
Alameda County, Walnut Creek East Maintenance Station	Maintenance Station Characterization Study
Construction Compliance Monitoring Program	
Construction activities are inspected through the Construction Compliance Monitoring Program, and through the Construction Services Branch- Office of Water Quality. A summary of the results is provided in the annual report.	
The Construction Storm Water Coordinator's and or designated staff will review 100% of the submitted SWPPP documents.	
The Construction Storm Water Coordinator and or designated staff will inspect 100% of all projects that are required to have a SWPPP.	
Training and Public Outreach	
Storm water staff intends to provide updated training on storm water processes for design staff. Similar events will be planned for outreach to the transportation authorities, other outside agencies, and consultants, which commonly plan and design projects for construction within the Department right-of-way.	
The Division of Construction intends to repeat the introductory Storm Water Training for staff that need "refresher" training and any new staff. Training courses that specifically address responsibilities of Resident Engineers and inspectors are offered throughout the year. The class for Resident Engineers will be mandatory for those that did not attend the previous year and optional to those that did attend the previous training. All training will be made available to staff at the Transportation Authorities that have construction contracts within the State right-of-way. Information regarding training classes is also available for contractors to fulfill the 24 hour training requirement for SWPPP prepares and Contractor's on-site "Water Pollution Control Manager",	
<p>The Division of Maintenance intends to provide "Storm Water Pollution Prevention" training to all maintenance employees. The training program is executed through the following four venues:</p> <ul style="list-style-type: none"> • Standardized Training Modules given at the Supervisors/Superintendents Annual Meeting and forwarded to crew personnel • BMP tailgate meetings with crews every 10 working days • Facility Inspections to verify compliance – review with crew and supervisors • Operational BMP inspections to verify compliance - review with crew and supervisors <p>The District Maintenance Web Site has these Training Modules available as well as a general informational site that is updated quarterly.</p>	
The District will work to develop a Storm Water Pollution Prevention Public Outreach Campaign.	

Table 5–3: District 4 General Management Practices
Municipal Coordination
<p>The District Storm Water Coordinator will meet with the other permitted municipalities at a minimum of one time during the reporting period. The attendance of the Coordinator or associated staff at county organized meetings (i.e. Alameda Countywide Clean Water Program) where the permittees are represented will constitute fulfillment of this goal. The Coordinator will bring to the attention the municipalities any illicit discharges or connections that have been discovered within the Department right-of-way that are associated with a municipality's jurisdiction. This may also be accomplished by sending written correspondence to the municipality. The Coordinator will also discuss possible opportunities to participate in public outreach programs that are sponsored by the municipalities.</p>
<p>The District will continue to attend Total Maximum Daily Load (TMDL) meetings and workshops as needed to gain information relative to the Department and coordinate as necessary on TMDLs where the Department has been identified as a stakeholder.</p>
<p>The District will attend meetings and workshops pertaining to Areas of Special Biological Significance (ASBS) where the Department has identified discharges for ASBS sites within the District.</p>